<u>REMARKS</u>

This application has been carefully reviewed in light of the Office Action dated September 30, 2009. Claims 30, 32 to 35 and 37 to 40 are in the application, of which Claims 33, 34 and 38 are independent. Reconsideration and further examination are respectfully requested.

Claim 38 is rejected under 35 U.S.C. § 101 because the claimed invention is allegedly directed to non-statutory subject matter. Without conceding the correctness of the rejection, Claim 38 has been amended to clarify that is directed to a computer-readable storage medium. Accordingly, Applicant respectfully requests reconsideration and withdrawal of this rejection.

Claims 29 to 31, 33, 34 to 36 and 38 are rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. 6,727,999 (Takahashi '999) in combination with U.S. 6,985,245 (Takahashi '245). Claims 32 and 37 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Takahashi '999, Takahashi '245 and U.S. 6,874,034 (Hertling). Reconsideration and withdrawal of these rejections are respectfully requested.

The present claims concern management of printing. In one aspect, a job ticket is edited by changing color attribute information by a page unit in correspondence to a change in output layout information or additional information included in the job ticket. Then, in response to a designation of a first print mode, a print instruction is given partly on the basis of an analysis of each page of a print document in regard to whether or not the page includes a color attribute. Alternatively, in response to a designation of a second print mode, a print instruction is given partly on the basis of color attribute information included in a job ticket.

Turning now to the claims, Claim 34 is directed to a method of a print system. The method comprises generating a print job, wherein the print job includes a job ticket and a print document, the job ticket including output layout information, additional information and color attribute information for the print document and editing the job ticket by changing the output layout information or the additional information included in the job ticket, wherein the editing step changes the color attribute information by a page unit in correspondence to the change in the output layout information or the additional information. The print job is received and a layout is performed of the print document included in the received print job into one or more pages, wherein layout is performed based on the output layout information included in the job ticket included in the received print job and one of at least a first and second print mode is designated in response to a user instruction. In the first print mode, each page of the print document is analyzed as to whether the page includes a color attribute, wherein analysis is based on the layout performed in the layout step, and a print instruction is given in correspondence to the layout performed in the layout step and the analysis performed in the analysis step. In the second print mode, the color attribute information is read from the job ticket included in the received print job, and a print instruction is given in correspondence to the layout performed in the layout step and the color attribute information read in the reading step. A print instruction is then given to a printing apparatus in the one mode designated in the designating step.

Applicant respectfully submits that the cited references, namely Takahashi '999 and Takahashi '245 , considered either alone or in combination, fail to disclose or suggest all of the features of the method of Claim 34. In particular, the cited references, either alone or in combination, fail to disclose or suggest at least the features of generating a print job including a

job ticket and a print document, the job ticket including output layout information, additional information and color attribute information for the print document, and editing the job ticket by changing the output layout information or the additional information included in the job ticket, wherein editing changes the color attribute information by a page unit in correspondence to the change in the output layout information or the additional information. The print job is then used in a first print mode where each page of the print document is analyzed as to whether the page includes a color attribute, wherein analysis is based on the layout performed in the layout step, and a print instruction is given in correspondence to the layout performed in the layout step and the analysis performed in the analysis step, or the print job is used in a second print mode where the color attribute information is read from the job ticket included in the received print job.

In contrast to the present claims, Takahashi '999 discloses an auto mode and a manual mode for selecting printing on either a monochromatic or a color printer. In the auto mode, it is determined for each page whether or not the page includes a color image and either one of the monochromatic or color printer is designated for each page based on the determination. In the manual mode, a user designates either one of the printers by page units. (See Takahashi '999 Fig. 15, element 1506, column 8, lines 50 to 55, and column 9, lines 11 to 21). In addition, Takahashi '999 discloses use of a job ticket in an image forming system. (See Takahashi '999 Fig. 21, element 21504). However, Takahashi '999 fails to disclose or suggest editing a job ticket by changing output layout information or additional information included in the job ticket, wherein editing the job ticket includes changing color attribute information by a page unit in correspondence to a change in the output layout information or the additional information, as featured in Claim 34.

Furthermore, Takahashi '245 discloses a job ticket including layout information. (See Takahashi '245, Fig. 22, element 1801). Takahashi '245 further discloses that a color attribute differentiating between color and monochrome is determined manually by a user using a page unit or automatically by a job unit. (See Takahashi '245, Figs. 29 and 30 and column 29, line 41 to column 31, line 41). Takahashi '245 also discloses setting the job ticket by means of an operation screen. (See Takahashi '245, Figs. 20, 21 and 22). However, Takahashi '245 fails to disclose fails to disclose or suggest editing a job ticket by changing output layout information or additional information included in the job ticket, wherein editing the job ticket includes changing color attribute information by a page unit in correspondence to a change in the output layout information or the additional information, as featured in Claim 34.

Applicant has reviewed the remaining cited reference, namely Hertling, and submits that nothing in Hertling provides that which is missing from Takahashi '999 and Takahashi '245. Specifically, Hertling merely discloses that a client may send a print job ticket to a print server wherein the job ticket can be an XML document. Hertling does not at all disclose or suggest editing a job ticket by changing output layout information or additional information included in the job ticket, wherein editing the job ticket includes changing color attribute information by a page unit in correspondence to a change in the output layout information or the additional information, as featured in Claim 34.

In light of the deficiencies of Takahashi '999, Takahashi '245 and Hertling as discussed above, Applicant submits that amended independent Claim 34 is now in condition for allowance and respectfully requests same.

Amended independent Claims 33 and 38 are directed to a print system and a computer-readable storage medium, respectively, substantially in accordance with the method

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of Claim 33. Accordingly, Applicant submits that Claims 33 and 38 are also now in condition for allowance and respectfully requests same.

The other pending claims in this application are each dependent from the independent claims discussed above and are therefore believed allowable for at least the same reasons. Because each dependent claim is also deemed to define an additional aspect of the invention, however, the individual consideration of each dependent claim on its own merits is respectfully requested.

In view of the foregoing amendments and remarks, the entire application is believed to be in condition for allowance, and such action is respectfully requested at the Examiner's earliest convenience.

CONCLUSION

No claim fees are believed due; however, should it be determined that additional claim fees are required, the Director is hereby authorized to charge such fees to Deposit Account 06-1205.

Applicant's undersigned attorney may be reached in our Costa Mesa, California office at (714) 540-8700. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,

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